In The Claims

39. (Currently Amended) A method for data logging, comprising the following steps performed in the following order of:

installing a remote electronic data logging device in a shipment sent by a shipper to a customer, wherein the customer utilizes the remote electronic data logging device as part of a system of remote electronic data logging devices installed in a plurality of shipments, and each remote electronic data logging device comprises,

a unique identifier,

a sensor ~~comprising at least a temperature sensor~~,

a processing device including programming configured to monitor, retrieve, and record, data from the sensor according to the programming,

an alarm mechanism, and

a communication device configured to receive commands from a server and transmit the recorded data from the remote electronic data logging device to the server according to the received commands;

establishing a data communication link between the remote electronic data logging device and the server, wherein the server has software access to the unique identifier and ~~identifying~~ the server identifies the remote electronic data logging device based upon the unique identifier;

reading the remote electronic data logging device by uploading, during transport of the shipment, data ~~having sensor-derived content~~ recorded by the processing device from the remote electronic data logging device to the server over the data communications link;

sounding the alarm mechanism if alarm conditions at any time are indicated by the data monitored by the processing device, wherein the alarm mechanism ~~is directed to parties that are off-site and~~ comprises at least one of an e-mail, telefax, page, automated telephone call, and posting to a dynamic web page; and

charging the customer a service fee for reading the remote electronic data logging device[[;]].

~~differentiating by the server as to whether additional measurements are needed or not, and, if additional measurements are needed, sending a command from the remote server to the remote electronic data logging device, wherein the command is a function of the content of the sensor-derived data uploaded to the server, and then performing the additional measurements by the remote electronic data logging device and forwarding them to the server; and~~

~~if additional measurements are not needed, taking the remote electronic data logging device out of service.~~

40. Cancelled

41.   (Currently Amended) The method according to Claim ~~40~~ <u>39</u>, wherein the remote electronic data logging device is a ~~C/TEMP™~~ <u>temperature</u> logger.

42. (Original) The method according to Claim 39, wherein:

said programming further comprises pre-set conditions and is further configured to make changes in environmental conditions;

the method further comprising the step of adjusting the environmental conditions according to the programming when the environmental conditions are outside the pre-set conditions.

43. (Original) The method according to Claim 39, further comprising the step of:

identifying a customer log-on to the server through a limited access scheme.

44. (Original) The method according to Claim 39, further comprising the step of:

after transport of the shipment, sending the remote electronic data logging device back to the shipper.

45. (Original) The method according to Claim 39, wherein the remote electronic data logging device further comprises a location buzzer triggerable via an RF connection to the remote electronic data logging device.

46.　(Original)　The method according to Claim 39, further comprising the step of:

accepting a user request command;

sending a measurement request command from the remote server to the remote data logging device, wherein the measurement request command is a function of content of the accepted user request command.

47.　(Original)　The method according to Claim 46, wherein the content of the accepted user request command comprises a measurement request and a time interval.